PTO/SB/08A (10-96) [MODIFIED]

Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are equired to respond to a collection of Information unless it contains a valid OMB control number. Complete if Known FEB 1 0 2005 Substitute for Form 1449A/PTO **Application Number** 10/617,940 INFORMATION DISELOS Filing Date July 11, 2003 STATEMENT BY APP First Named Inventor Joseph P. Downes, et al. 1725 **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Heinrich, Samuel M. 2 Attorney Docket Number GSIL 0117 PUSA 1 of Sheet

				U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.¹	U.S. PATENT DOCUMENT Kind Code Number (if known		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
att		4,504,144		Trost	03-12-1985	
· . T		4,710,908		Ohshima et al.	12-01-1987	
		4,820,055		Müller	04-11-1989	
		4,856,053		Hashimoto_	08-08-1999	
		4,918,284		Weisz	04-17-1990	
		4,952,858		Galburt	08-28-1990	
		5,386,294		Ototake et al.	01-31-1995	
		5,406,132		Housako	04-11-1995	
$\neg \neg$		5,502,311		Imai et al.	03-26-1996	-
		5,585,019		Gu et al.	12-17-1996	
$\neg \neg$		5,812,569		Walker, et al.	09-22-1998	
7		5,986,753		See;og. et al.	11-16-1999	
T		5,998,759		Smart	12-07-1999	
		5,999,252		Greisz	12-07-1999	
		6,144,118		Cahill et al.	11-07-2000	`
		6,177,648	B1	Lawson et al.	01-23-2001	
		6,339,604		Smart	01-15-2002	
		6,396,640	B2	Otomo	05-28-2002	
		6,483,071	B1	Hunter et al.	11-19-2002	
		6,496,270		Kelley, et al.	12-17-2002	· · · · · · · · · · · · · · · · · · ·
		6,501,061		Kital, et al.	12-31-2002	
		6,678,061		Kilthau, et al.	01-13-2002	
		US2003/00249	13	Downes, et al.	02-06-2003	
		US2003/01022	92 A1	Han et al.	06-05-2003	
		US2003/01928	66	Han	10-16-2003	
		US2004/01010	00 A1	Han et al.	05-27-2004	
		US2004/01188	21 A1	Han et al.	06-24-2004	
T		US2004/01214		Han et al.	06-24-2004	
4M11						

	FOREIGN PATENT DOCUMENTS									
			Foreign Patent Do	ocument		Date of Publication	Pages, Columns, Lines, Where Relevant			
Examiner Initials	Cite No.1	Offic	æ³ Number⁴	Kind Code ⁵ (if known)		of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Т*		
SMF		WO	03/092069	A1	EO Technics Co.	11-06-2003				
SMY		WO	01/61275		GSI Lumonics, Inc.	08-23-2001				
South		WO	00/64622		GSI Lumonics Inc.	11-02-2000				

Examiner Signature	S Heinrich	Date Considered	09-06-05
0.5.2.0.0		Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/088 (10-96) [reproduced]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known Substitute for Form 1449B/PTO 10/617,940 **Application Number** INFORMATION DISCLOSURE July 11, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Joseph P. Downes, et al. **Group Art Unit** 1725 (use as many sheets as necessary) **Examiner Name** 2 GSIL 0117 PUSA 1 Sheet of Attorney Docket Number OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Examiner T 2 publisher, city and/or country where published. Initials Cite No.1 KEIRSTEAD, MARK and SOMERVILLE, PAUL, UV Lasers Are Workhorses, Optoelectronics World magazine, June 2001, pp. gurH 197-198, 200-201, www.optoelectronics-world.com ZAYHOWSKI, JOHN, Q-Switched Microchip Lasers Find Real-World Application, Laser Focus World magazine, August 1999, pp. 129-132, 134, 136, www.optoelectronics-world.com Scanning Lens Theory, Special Optics, Wharton, New Jersey, May 1997, pp. 36-37, Special Optics Manufacture and Design catalog, Scanning Lenses, www.specialoptics.com/scanlens.html Rodenstock Laser Optics - F-Theta Flat Field Laser Scan Lenses, Laser Optics, www.rodenstockoptics.de/pg5.html NIKOONAHAD, MEHRDAD, ET AL., In Situ Height Correction For Laser Scanning of Semiconductor Wafers, Optical Engineering, October 1995, Vol 34, No. 10, pp. 3036-3039 MONTAGU, Galvanometric and Resonant Low Inertia Scanners, Laser Beam Scanning, Marcel-Dekker, 1985, pgs. 214-216 PCT International Preliminary Examination Report, dated 15 Mar 2004, pp. 1-4 PCT International Preliminary Examination Report, dated 28 SMH Aug 2003, pp. 1-4

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{*}Unique citation designation number. *Applicant is to place a check mark here if English language Translation is attached.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute to	or Form 1449A/PT	·O		Complete if Known		
				Application Number	10/617,940	
			OSURE	Filing Date	Filed Herewith	
SIAII	EMENT	BA YAA	LICANI	First Named Inventor	Joseph P. Downes, et al.	
				Group Art Unit	1725	
	(use as many sheets as necessary)			Examiner Name		
Sheet	ı	of	3	Attorney Docket Number	GSIL 0117 PUSA 1	

		 		U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.1	U.S. PATENT D	COCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Soll		4,156,124		Macken, et al.	05/22/1979	
		4,220,842		Sturmer, et al.	09/02/1980	·
		4,323,755		Nierenberg	04/06/1982	
		4,522,656		Kuhn-Kuhnenfeld	06/11/1985	
		4,586,053		Hughes	04/29/1986	
		4,734,558		Nakano, et al.	03/29/1988	
		4,758,848		Nakano	07/19/1988	
		4,922,077		Gordon	05/01/1990	
		4,945,204		Nakamura, et al.	07/31/1990	
		4,985,780		Garnier, et al.	01/15/1991	
		5,329,090		Woelki, et al.	07/12/1994	
		5,357,077		Tsuruta	10/18/1994	
		5,521,628		Montgomery	05/28/1996	
		5,600,478		Stevens	02/04/1997	
		5,635,976		Thuren, et al.	06/03/1997	
		5,690,846		Okada, et al.	11/25/1997	
		5,719,372		Togari, et al.	02/17/1998	
]	5,847,960		Cutler, et al.	12/08/1998	
		5,932,119		Kaplan, et al.	08/03/1999	
		5,942,137		Kamir, et al.	08/24/1999	
9MIT		5,965,042		Saitoh	10/12/1999	

FOREIGN PATENT DOCUMENTS									
cite	Office 3		cument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	wo s	6/16767		Komatsu Ltd.	06/06/1996				
-	WO 9	8/53949		SDL, Inc.	03/12/1998				
	丰								
	<u>, , </u>	o.1 Office 3 WO 9	Foreign Patent Do tite o.¹ Office ³ Number ⁴ WO 96/16767	Foreign Patent Document ite o.¹ Office ³ Number ⁴ (if known) WO 96/16767	Foreign Patent Document ite o.¹ Office ³ Number ⁴ (if known) WO 96/16767 Komatsu Ltd.	Foreign Patent Document ite o. 1 Office 3 Number 4 (if known) WO 96/16767 Komatsu Ltd. Date of Publication of Cited Document MM-DD-YYYY Komatsu Ltd. 06/06/1996	Foreign Patent Document Kind Code ³		

Examiner Samuel M. Hamm	Date Considered	04-06-05
*EVANINED: Initial it reference considered at the transfer of the state of the stat		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for	Form 1449A/PTO			Complete if Known		
				Application Number	10/617,940	
	MATION D			Filing Date	Filed Herewith	
STATE	MENT BY	AP	PLICANT	First Named Inventor	Joseph P. Downes, et al.	
				Group Art Unit	1725	
(4	use as many sheets	s as ne	acessary)	Examiner Name		
Sheet	2	of	3	Attorney Docket Number	GSIL 0117 PUSA 1	

				U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.1	U.S. PATENT D	XOCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SALT		5,737,122		Wilt, et al.	04/07/1998	
		5,894,530		Wilt	04/13/1999	
	<u> </u>	5,929,997		Lin	07/27/1999	
	↓	6,262,388		Canella, et al.	07/17/2001	
		6,309,943		Glenn, et al.	10/30/2001	
	<u> </u>	5,653,900		Clement, et al.	08/05/1997	
	<u> </u>	5,821,497		Yamazaki, et al.	10/13/1998	
		5,966,457		Lemelson	10/12/1999	
SMIT		6,057,871		Peterson	05/02/2000	

				FOREIGN P	ATENT DOCUMEN	ITS		
Examiner Initials	Cite No.1	Offic	Foreign Patent Do	ocument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	۳۰
SMH		WO	01/54854		GSI Lumonics Inc.	08/02/2001		\neg
SAUH_		JP	11135390 A		Sony	05/21/1999		
								コ
								\dashv

Examiner I	/ · · · · · · · · · · · · · · · · · · ·	Date	
	S Hamira		01 26 25
Signature	>. Herrico	Considered	1 174-06-05
453444			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (10-96) [reproduced]
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known				
				Application Number	10/617,940			
				Filing Date	Filed Herewith			
SIAII	EMENI BY	AP	PLICANI	First Named Inventor	Joseph P. Downes, et al.			
				Group Art Unit				
	(use as many she	eets as	s necessary)	Examiner Name	1725			
Sheet	3	of	3	Attorney Docket Number	GSIL 0117 PUSA 1			
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS								
Examiner Initials	Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
SMH			MONTAGU, Galvanometric and Resonant Low Inertia Scanners, Laser Beam Scanning, Marcel-Dekker, 1985, pgs. 214-216					
sm(t			HAYES, ORLAN, Marking Applications Now Encompass Many Materials, Laser Focus World, February 1997, pgs. 153-160					
SMH	ROSSI, BRIAN, Commercial Fiber Lasers Take On Industrial Markets, Laser Focus World, May 1997, pgs. 143-150							
SMH SMH SMH SMH	,			re entitled "Calibratipping date 9/98 to P	_			
·		j						

Examiner	< Hamil	Date	04-0/ 0E
Signature	>. Heinrich	Considered	[UT'06-US

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here it English language Translation is attached.